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INDEX TO AMERICAN BOTANICAL LITERATURE

1908-1921

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to foresty, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Andrews, F. M. The effect of aeration on plants. Proc. Indiana Acad. Sci. **1920**: 147, 148. 1921.

Andrews, F. M. The effect of centrifugal force on plants. Proc. Indiana Acad. Sci. **1920**: 143–145. 1921.

Andrews, F. M. Phyllotaxis of *Specularia perfoliata.* Proc. Indiana Acad. Sci. **1920**: 149, 150. 1921.

Andrews, F. M. Studies on Pollen III. Proc. Indiana Acad. Sci. **1920**: 155–156. 1921.

Baerthlein, K. Über bakterielle Variabilität, insbesondere sogenannte Bakterienmutationen. Centralbl. Bakt. Parasitenk. u. Infekt. **81**^{1}: 369–435. 31 Jl 1918.

Baker, F. C. The life of the Pleistocene or Glacial Period. Univ. Illinois Bull. **17**: 1–476. *pl. 1–56.* 7 Je 1920.

Bardell, E. M. Production of root hairs in water. Univ. Washington Publ. Bot. **1**: 1–9. 1 F 1915.

Barrus, M. F. Bean anthracnose. Cornell Univ. Agr. Exp. Sta. Mem. **42**: 101–214. *pl. 1–8+f. 10–19.* Jl 1921.

Barton, J. E. The amount of standing timber in Kentucky. Min. and For. Resources Kentucky V. **1**: 251–284.

Beccari, O., & Rock, J. F. A monographic study of the genus *Pritchardia*. Mem. B. P. Bishop Mus. **8**: 1–77. *pl. 1–24*. 1921.

Includes 13 new species from the Hawaiian Islands.

Belling, J. The behavior of homologous chromosomes in a triploid canna. Proc. Nat. Acad. Sci. **7**: 197–201. *f. 1. 2*. Jl. 1921.

B[enedict], H. M. Further consideration of the sizes of vein islets of leaves as an age determinant. Science II. **55**: 399, 400. 14 Ap 1922.

Benedict, R. C. Is *Botrychium dissectum* a sterile mutant of *B. obliquum*? Am. Fern. Jour. **11**: 53–55. 1921.

Benedict, R. C. *Nephrolepis* nutrition. Am. Fern Jour. **11**: 41–43. 1921. [Illust.]

Berry, E. W. Tertiary fossil plants from Venezuela. Proc. U. S. Nat. Mus. **59**: 553–579. *pl. 107–109*. 1921.

Bowman, H. H. M. Histological variations in *Rhizophora Mangle*. Michigan Acad. Sci. Rep. **22**: 129–134. *pl. 9–12*. Au 1921.

Britton, N. L. George Valentine Nash. Jour. New York Bot. Gard. **22**: 145–147. *pl. 261*. Au 1921.

Brown, F. B. H. Origin of the Hawaiian flora. Proc. Pan-Pacific Sci. Confer. **1**: 131–142. 1921.

Brown, L. L. Canadian Sitka spruce, its mechanical and physical properties. Canada Dept. Inter. For. Bull. 71: 1–39. *f. 1–20*. 1921.

Brunswik, H. Über Hesperidinsphärite im lebenden Hautgewebe von *Antherium Binotii* Lenden. Ber. Deutsch. Bot. Ges. **39**: 208–212. Je 1921.

Buscalioni, L., & Muscatello, G. Studio monografico sulle specie americane del gen. "*Saurauia*" Willd. Malpighia **29**: 1–32; 97–112. 1921.

Includes *Saurauia intermedia* sp. nov. from Guatemala.

Buscalioni, L. Il legno crittogamico del fascio vascolare seminale di talune angiosperme considerato nei suoi rapporti colle moderne teorie filogenetiche. Malpighia **29**:46–80; 113–207. *f. 1–30.* 1921.

Butters, F. K. A new western species of *Pellaea*. Am. Fern Jour. **11**: 39, 40. 1921.

Pellaea Suksdorfiana from Washington.

Butters, F. K. *Salvinia* in Minnesota. Am. Fern Jour. **11**: 48–50. 1921.

Chapman, G. H. Tobacco investigations. Massachusetts Agr. Coll. Bull. 195: 1–38. *pl. 1–2B.* [1920]

Chiovenda, E. La culla del cocco. Webbia **5**: 199–294. 1921.

Concerning the origin of the coco-palm.

Christensen, C. An overlooked species of *Dryopteris* Am. Fern Jour. **11**: 44–46. 1921

Dryopteris crypta (Underw. & Maxon) from Cuba.

Conzatti, C. Monografia del Arbol de Santa Maria del Tule. Pp. 1–65. Oaxaca, Mexico. Mr 1921. [Illust.]

Account of a giant tree of *Taxodium mucronatum* Ten.

Coons, G. H., & Levin, E. The relation of light to pycnidium formation in the Sphaeropsidales. Michigan Acad. Sci. Rep. **22**: 209–213. Au 1921.

Corrington, L. J. The Peltigeraceae. [The Ascomycetes of Ohio V]. Ohio Biol. Surv. **2**: 354–362. *pl. 14, 15.* 28 My 1921.

Coville, F. V. The influence of cold in stimulating the growth of plants. Ann. Rep. Smithsonian Inst. **1919**: 281–291. *pl. 1–27.* 1921.

Dahlgreen, U. Phosphorescent animals and plants. Nat. Hist. **22**: 1–26. Ap 1922.

Dallimore, W. The yellow pines of North America. Kew Bull. Misc. Inform. **1921**: 330–335. 1921.

Dalton, L. V. The plants and animals of Venezuela. In Dalton L. V., Venezuela, 47–60. London. 1912. [Illust.]

Darlington, H. T. Contributions to the flora of Gogebic County, Michigan. Part I. Michigan Acad. Sci. Rep. **22:** 147–176. Au 1921.

Deam, C. C. Plants new to Indiana—IX. Proc. Indiana Acad. Sci. **1920:** 225–228. 1921.

Dow, C. M. Anthology and bibliography of Niagara Falls. Pp. 1–1423. Albany. 1921. [Illust.]

Chapter VI (pages 439–491) gives a chronologic discussion of the "flora and fauna."

Dufrenoy, J. Anaerobic bacteria in plant tissues. Phytopathology **11:** 344. Au 1921.

Dupret, H. Notes about the *Drepanocladi* of the vicinity of Montreal, Quebec, Canada. Bryologist **24:** 36–39. 21 S 1921.

Earle, F. S. S. M. Tracy as a botanist. Torreya **21:** 64, 65. Au 1921.

East, E. M. A study of partial sterility in certain hybrids. Genetics **6:** 311–365. *f. 1–17.* Jl 1921.

Studied crosses of *Nicotiana.*

Emerson, R. A. Heritable characters of maize—IX. Crinkly leaf. Jour. Hered. **12:** 267–270. *f. 24–26.* 23 S 1921.

Enock, C. R. Natural History [of Peru]. In Enock, C. R., Peru 192–205. London. 1908.

Espinosa Bustos, M. R. Una enfermedad grave del trigo Chileno. Revista Chilena Hist. Nat **24:** 79–86. *pl. 3+f. 8.* 31 Au 1920.

Essary, S. H. Lespedeza (Japan clover). Univ. Tennessee Agr. Exp. Sta. Bull. **123:** 1–28. Ap 1921. [Illust.]

Evermann, B. W., & Clark, H. W. The flora of Lake Maxinkuckee and vicinity. In Evermann & Clark's Lake Maxinkuckee [Indiana], a physicial and biological survey **2:** 117–447. 1920.

Farwell, O. A. Notes on the Michigan flora—III. Michigan Acad. Sci. Rep. **22:** 177–185. Au 1921.

Includes new varieties and forms in various genera.

Fink, B. The Lecideaceae. [The Ascomycetes of Ohio IV.] Ohio Biol. Surv. **2:** 334–353. *pl. 13.* 28 My 1921.

Includes new species in *Lecidea* (1), *Bacidia* (1), *Buellia* (1), *Rhizocarpon* (1).

Fink, B. Lincoln Ware Riddle, lichenist. Bryologist **24:** 33–36. 21 S 1921.

Fisher, G. C. A station for the ramshead lady's-slipper. Torreya **21:** 63, 64. Au 1921.

Forbes, C. N. New Hawaiian plants—VII. Occ. Pap. B. P. Bishop Mus. **7:** 33–39. *pl. 3–11.* 1920.

Includes 7 new species.

Forbes, C. N. Notes on *Marsilea villosa* Kaulf. Occ. Pap. B. P. Bishop Mus. **7:** 47–49. *pl. 13, 14.* 1920.

Forbes, C. N. Salient features of Hawaiian botany. Proc. Pan-Pacific Sci. Confer. **1:** 125–130. 1921.

Forbes, C. N., & Munro, G. C. A new *Cyanea* from Lanai, Hawaii. Occ. Pap. B. P. Bishop Mus. **7:** 43. *pl. 12.* 1920.

Cyanea Baldwinii, sp. nov.

Gardner, M. W. Indiana plant diseases, 1920. Proc. Indiana Acad. Sci. **1920:** 187–208. *f. 1–12.* 1921.

Gassner, G. Ueber einen eigenartigen *Uromyces* auf *Passiflora foetida* L. Ber. Deutsch. Bot. Ges. **40:** 64–68. *f. 1–3.* 30 Mr 1922.

Includes *Uromyces Appelianus* sp. nov. from Uruguay.

Girola, C. D. Cultivo de la yerba mate (*Ilex paraguariensis* St. Hil.) Cap. IV. Bol. Minist. Agr. [Argentina] **26:** 128–142. Je 1921.

Grabou, A. W. A textbook of geology, Part II. Historical Geology. Pp. 1–976. *f. 735–1980.* New York. 1921.

Contains much false botanical matter.

Grinnell, J., & Storer, T. I. Life-zones of the Yosemite Region. In Hall, A. F., Handbook of Yosemite National Park [California], 123–132. New York. 1921.

Hall, A. F. Trees of Yosemite National Park [California]. In Hall, A. F., Handbook of Yosemite National Park [California], 219–234. *pl. 18–21.* New York. 1921.

Harshberger, J. W. Geographic names and terms of significance in plant geography and ecology. Bull. Geogr. Soc. Philadephia **19:** 13–18. O 1921.

Harshberger, J. W. The old gardens of Pennsylvania. Gard. Mag. (**1920**): 78–80; 137–139; 257–258; 326–328; 44–46; 120–123; 195–196; 255–256; 326–329; 374–377. 1921. [Illust.]

Heimlich, L. F. Native plants of White County [Indiana]—III. Proc. Indiana Acad. Sci. **1920**: 219–224. 1921.

Hitchcock, A. S. Foral aspects of British Guiana. Ann. Rep. Smithsonian Inst. **1919**: 293–305. *pl. 1–12* + *f. 1–3.* 1921.

Hoffmann, R. Flora of Berkshire County, Massachusetts. Proc. Boston Soc. Nat. Hist. **36**: 171–382. Mr 1922.

Hollister, B. A. The relation between the common weeds of Michigan and those found in commercial seed. Michigan Acad. Sci. Rep **22**: 187, 188. Au 1921.

Holm, T. Studies in the Cyperaceae, XXXII. *Carices aeroastachyae*: *Phacotae* nob. and *Ternariae* nob. Am. Jour. Sci. **202**: 322–329. *f. 1–11.* D 1921.

Hopkins, E. F. The *Botrytis* blight of tulips. Cornell Univ. Agr. Exp Sta. Mem. **45**: 315–361. *pl. 33* + *f. 22–50.* Au 1921.

Hotson, J. W. *Sphagnum* used as a surgical dressing in Germany during the world war. Bryologist **24**: 74–78, 89–96. *f. 1–8.* F 1922.

House, H. D. Nomenclatorial notes on certain American plants—I. Am. Midl. Nat. **7**: 126–135. S 1921.

Includes *Trianthella* gen. nov. and new combinations in many genera.

Howell, A. H. A biological survey of Alabama. N. Am. Fauna **45**: 1–88. *pl. 1–11* + *f. 1–10.* 1921.

Illick, U. S. Big trees in Pennsylvania. For. Leaves **18**: 24, 25. Ap 1921. [Illust.]

Jackson, H. S. The Uredinales of Indiana III. Proc. Indiana Acad. Sci. **1920**: 164–182. *f. 1.* 1921.

Jackson, H. S. The Ustilaginales of Indiana II. Proc. Indiana Acad. Sci. **1920**: 157–163. 1921.

Jepson, W. L. Flowers of Yosemite National Park. In Hall, A. F., Handbook of Yosemite National Park [California], 247–267. *pl 24–27* New York 1921.